

ASTRA Report wt-aldolase-control

**File Properties****Name:** wt-aldolase-control.afe7**Directory:** C:\Users\jeffries\Desktop\p31-garcia-bento-december-2019**Computer:** SAXS-LAPTOP-W**Sample:** wt-aldolase-control**Configuration****Concentration Source:** RI**Flow Rate:** 0.650 mL/min**Light Scattering Instrument:** TREOS**Temperature Control:** no**Cell Type:** Fused Silica**Wavelength:** 659.0 nm**Calibration Constant:** 4.9533×10^{-5} 1/(V cm)**RI Instrument:** rEX**UV Instrument:** UV**QELS:****Use QELS Temperature Probe:** yes**Model:** Wyatt QELS+**Solvent:** 20 mM HEPES pH 7.5 100 mM NaCl 20mg-L MgCl2**Refractive Index:** 1.331**Viscosity:** 0.890 cP**Processing****Collection Time:** Sunday, December 15, 2019 14:45:16 PM**Processing Time:** Sunday, December 15, 2019 15:31:02 PM**Peak settings:**

| | |
|----------------------------------|--------|
| Peak Name | Peak 1 |
| Light Scattering Model | Zimm |
| Fit Degree | 1 |
| dn/dc (mL/g) | 0.1850 |
| A2 (mol mL/g²) | 0.000 |

Results**Peak Results****Peak 1****Hydrodynamic radius (Q) moments (nm)****rh(Q)(avg)** 4.325 (±0.280%)

| | | Peak 1 |
|-----------------------------------|---------------------|-------------------|
| Masses | | |
| Calculated Mass | | |
| (μg) | 739.15 | |
| Mass Recovery (%) | 328.5 | |
| Mass Fraction (%) | 100.0 | |
| Molar mass moments (g/mol) | | |
| | 1.547×10^5 | |
| Mn | ($\pm 0.802\%$) | |
| | 1.536×10^5 | |
| Mp | ($\pm 0.904\%$) | |
| | 1.548×10^5 | |
| Mw | ($\pm 0.801\%$) | |
| | 1.548×10^5 | |
| Mz | ($\pm 1.790\%$) | |
| | 1.559×10^5 | |
| M(avg) | ($\pm 0.061\%$) | |
| Polydispersity | | |
| Mw/Mn | 1.000 | ($\pm 1.133\%$) |
| Mz/Mn | 1.000 | ($\pm 1.961\%$) |